

Tel # Erik R. Swanson
(212) 534-7708
Fax # (212) 537-7701

10/5/97, 199

Examiner's Notes

IDS(04/12/2002)

~~108~~

L1 S (crystal#) (1a) (non-linear (8a) optics)

L2 S (foreign (6a) atoms)

L3 S (remov? or eliminat or rid or decreases?) (8a) (electrode#) (8a) (crystal#)

L4 S (lithium (2a) titanate) or LiNbO₃ or LiTaO₃ or lithium (cupricate) (8a) (crystal#)

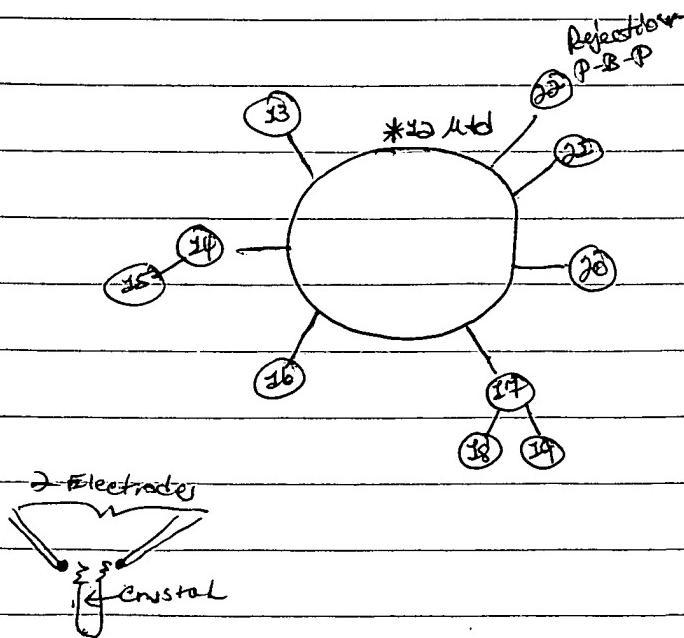
L5 S (convert? or alter? or Change?) (Ba) ~~Electrode~~ about (8a) ~~to~~ ~~when?~~

Objection to Specification:

- Proper Title section need to be inserted;

~~108 Rej~~

Claims 12-16 (blue reference)



claim 12, 13, 14

"Light-Induced charge Transport processes in photorefractive crystals II. Materials"

Paper teaches a method for treating LiNbO_3 & LiTaO_3 crystals comprising
~~Fe + Cu~~ doping, ~~them~~ in order to change the distribution of charge between
layers with different optical excitation energies.

Does not teach remove freed electrons using external current source
Claims 15 & 16 obvious optimization

Teaches: